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(IN TRIPLICATE)

25 October 1960

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Attention:

Subject: Progress Reports,
Submission of

Enclosure: (A) Progress reports for the month of
September, in quadruplicate

Gentlemen:

Pursuant to the terms and provisions of the applicable task orders and contracts, the contractor submits Enclosure (A), described above, detailing the progress achieved during the month of September 1960.

In the event further information is desired concerning the enclosed reports, do not hesitate to contact the writer.

Very truly yours,

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Contract Administrator

NKG:dw

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THIS DOCUMENT CONTAINS INFORMATION AFFECT-
ING THE NATIONAL DEFENSE OF THE UNITED STATES
WITHIN THE MEANING OF THE ESPIONAGE LAWS,
TITLE 18, U. S. C., SECTIONS 793 AND 794. ITS
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**PROGRESS REPORT
FOR
MONTH OF SEPTEMBER 1960**

BROADBAND ANTENNA, FILTER AND DETECTOR SYSTEMS

Purpose: To develop a system of antennas, filters and detectors for the 50 mc to 40,000 mc frequency range.

Personnel: Electrical Engineers:
Mechanical Engineer:

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Status: Final models of the electromagnetic horn antenna and waveguide detector assemblies are under construction. A prototype 2000 mc to 4000 mc dielectric loaded transmission line bandpass filter has been constructed and tested with satisfactory results. A 500 mc to 750 mc and an 8,000 mc to 10,000 mc transmission line bandpass filter are under construction.

Future Plans: Work in all phases will continue. Testing of the 10,000 mc to 40,000 mc antenna assemblies will be delayed until repairs are accomplished on the 36.0 to 39.7 KMC signal generator tuning unit.

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